

PARALLEL SESSIONS

DAY 1 – MARCH 6, 2026

13:00 – 14:15 | Parallel Session 1

Strand 1 – Marine plastic pollution: state of the art processes, recycling policies and regulations

Room: H-01

Session Co-Chairs:

- Chair 1: Assoc. Prof. Dr Liu Xia, Ocean University of China
- Chair 2: Prof. Dr. Defri Yona, Universitas Brawijaya

Strand 2 – Fisheries and aquaculture: engineering sustainable solutions for plastic products

Room: G4-01

Session Co-Chairs:

- Chair 1: Dr. Zuhao Zhu, Fourth Institute of Oceanography of China
- Chair 2: Assoc. Prof. Rakesh Dhumale, All India Shri Shivaji Memorial Society's Institute of Information Technology

Strand 3 – Recycling and circular economy approaches: innovations in marine debris and fishing gear management

Room: G4-02

Session Co-Chairs:

- Chair 1: Assoc. Prof. Tran Le Luu, Vietnamese German University
- Chair 2: Prof. Dr. Chih-Chieh Young, National Taiwan Ocean University

Strand 4 – Plastics, environment and society: awareness, education and social engagement

Room: G4-03

Session Co-Chairs:

- Chair 1: Prof. Dr. Pradeep V. Jadhav, Bharati Vidyapeeth's College of Engineering for Women
- Chair 2: Dr. Hoang Ngoc Tuong Van, WWF-Vietnam

Note: Each presentation lasts **25 minutes** (20' talk + 5' Q&A). Speakers are kindly requested to upload slides to the session room **10 minutes before** the session starts.

Time	Strand 1 (Room: H-01)	Strand 2 (Room: G4-01)	Strand 3 (Room: G4-02)	Strand 4 (Room: G4-03)
13:00 – 13:25	S1-01. Environmental processes of microplastics in marine environments — <i>Xia Liu, Jian Zhao</i>	S2-01. Artificial Intelligence based Monitoring and Early Detection of Plastic Waste in Fisheries — <i>R. B. Dhumale, M. A. Thalor, P. B. Mane</i>	S3-01. Collection and recycling of plastic waste from marine fisheries: international experiences and application potential in Vietnam — <i>Nguyen Phuoc Quy Tuong</i>	S4-01. Marine plastic pollution: state of the art processes, recycling policies and regulations — <i>Nguyen Huu Ninh</i>
13:25 – 13:50	S1-02. Comparative Analysis of Sachet Waste Accumulation and Weathering Levels on Two Northern Coast Beaches of East Java: A Case Study of Kerapu Beach and Duta Beach — <i>Defri Yona, Teguh Ariefandi, Arini Puspa Ahatsy, Indri Asifah Putri, Syarifah Hikmah Julinda Sari</i>	S2-02. Bioplastic: Sustainable Engineering Solutions for Vietnamese Fisheries — <i>Bui Thi Phuong Thao</i>	S3-02. The Role of Life Cycle Engineering in the Design of Recycling Processes for Fishing Gear — <i>Max Juraschek</i>	S4-02. Innovating Sustainable Education with Recycled Plastics — <i>Pradeep V. Jadhav</i>
13:50 – 14:15	S1-03. Microplastic accumulation in oyster (<i>Magallana belcheri</i>) collected from the mangrove ecosystem of Can Gio, Ho Chi Minh City, Vietnam — <i>Duong Ngoc That, Nguyen Ngoc Ha, Nguyen Hoang Nam Kha, Nguyen Phuc Cam Tu</i>	S2-03. Reusing plastic in aquaculture to produce unc plastic bricks, contributing to environmental protection — <i>Pham Quoc Huy, Le Anh Thang, Pham Manh Dinh</i>	S3-03. Recyclability of HDPE Fishing Net under Different Environmental and Accelerated Aging Conditions — <i>Vu Khanh Ho, Ngoc Chien Vu, Cong Minh Nguyen</i>	S4-03. Building a Plastic Smart City: Awareness, Education, and Social Action from Hue, Vietnam — <i>Hoang Ngoc Tuong Van, Nguyen Thi Dieu Thuy, Trinh Ngoc Anh</i>

DAY 2 – MARCH 7, 2026

13:30 – 17:35 | Parallel Session 2

- ⊕ 15:30 – 17:10 (All Strands)
- ⊕ 17:10 – 17:35 (Strand 4 Extended Session)

Strand 1 – Marine plastic pollution: state of the art processes, recycling policies and regulations

Room: H-01

Session Co-Chairs:

- Chair 1: Assoc. Prof. Dr. Kaire Torn, University of Tartu
- Chair 2: Assoc. Prof. Dr. Ying-Ning Ho, National Taiwan Ocean University

Strand 2 – Fisheries and aquaculture: engineering sustainable solutions for plastic products

Room: G4-01

Session Co-Chairs:

- Chair 1: Prof. Dr. Keliang Wang, Ocean University of China
- Chair 2: Assoc. Prof. Dr. Quach Thi Khanh Ngoc, Nha Trang University

Strand 3 – Recycling and circular economy approaches: innovations in marine debris and fishing gear management

Room: G4-02

Session Co-Chairs:

- Chair 1: Prof. Dr. Ryuichiro Nishi, Kagoshima University
- Chair 2: Prof. Dr. Anchana Prathee, Prince of Songkla University

Strand 4 – Plastics, environment and society: awareness, education and social engagement

Room: G4-03

Session Co-Chairs:

- Chair 1: Prof. Dr. Alexander Kaufman, Global Standards (Asia)
- Chair 2: Prof. Dr. Cheng-Di Dong, National Kaohsiung University of Science and Technology

Note: Each presentation lasts **25 minutes** (20' talk + 5' Q&A). Speakers are kindly requested to upload slides to the session room **10 minutes before** the session starts.

13:30 – 14:45 | Parallel Session 2

Time	Strand 1 (Room: H-01)	Strand 2 (Room: G4-01)	Strand 3 (Room: G4-02)	Strand 4 (Room: G4-03)
13:30 – 13:55	S1-04. Distribution and ecological risks of microplastics in sediments of Southern Vietnam — <i>Nguyen Thi Nhan, Dao Van Tri, Tran Le Luu</i>	S2-04. Innovative Lifecycle Carbon Accounting in Mariculture: Integrating Species Traits and Energy Transitions — <i>Keliang Wang</i>	S3-04. Recycling Pathways and Circular Economy Opportunities for Plastics from Fishing Gear — <i>Nguyen Van Nhi Tran, Thanh Thu Tran</i>	S4-04. Factors Influencing Fishermen's Willingness to Collect Abandoned Fishing Gear in Kien Giang Province, Vietnam — <i>Duong Van Nha</i>
13:55 – 14:20	S1-05. Four years monitoring of microplastic in the Beibu Gulf, the Northern South China Sea — <i>Zuhao Zhu, Huihua Wei, Wenhao Houa, Changhao Sun, Shuting Panga</i>	S2-05. PFAS contamination in aquaculture: Current evidence and research needs in Vietnam — <i>Dao Van Tri, Dang Ngoc Quan, Tran Le Luu</i>	S3-05. The role of local government in the integrated management of abandoned, lost, or discarded fishing gear in Vietnam — <i>Tuan Anh Bui, Thu Huyen Pham</i>	S4-05. Enhancing community awareness and behavioral change for plastic waste reduction in marine tourism development in Quang Ninh Province — <i>L M T Nguyen</i>
14:20 – 14:45	S1-06. Preventing Marine Plastic Waste through Local Regulation and Coastal Community Participation in Semarang City, Indonesia — <i>Novia Mungawanah, Amiek Soemarmi, Indah Susilowati</i>	S3-07. Inner and Outer Ageing of Polyethylene Fishing Nets Based on the Carbonyl Index — <i>Julia Tetzner, Thomas Potempa, Max Ehleben</i>	S3-06. Drone Application to Monitor Marine Debris and Estimation Scheme — <i>Prof. Ryuichiro Nishi</i>	S4-06. Effectiveness of the Awareness-Raising Program on fishing gear Waste in Kien Giang — <i>Dang Thi Hong Ngoc, Ngo Thi Hieu</i>

14:45 – 15:15: Tea break / transition time

15:15 – 17:20 | Parallel Session 2 (Cont.)

Time	Strand 1 (Room: H-01)	Strand 2 (Room: G4-01)	Strand 3 (Room: G4-02)	Strand 4 (Room: G4-03)
15:15 – 15:40	S1-07. Ecological and Health Consequences of Microplastics in the Oceans — <i>Thanh-Binh Nguyen, Chiu-Wen Chen, Cheng-Di Dong</i>	S3-10. Challenges in Plastic Waste Management in Industrial Marine Aquaculture in Vietnam — <i>Bui Thi Ninh</i>	S3-08. Circular economy and tourism development: international experience and policy recommendations for Vietnam — <i>Nguyen Thao Phan</i>	S4-07. Unlocking Coastal Potential: A KAP Analysis of Waste Management Interventions in Bandengan, Central Java — <i>Agnes Graciella Salianto, Aisyah Raisha Kamila, Indah Susilowati</i>

15:40 — 16:05	S1-08. Implementing EU Marine Litter Monitoring Frameworks: Practical Experience from the NE Baltic Sea — <i>Kaire Torn, Tiia-Möller-Raid, Maria Põldma</i>	S3-12. Impact of Adoption of Preventive Measures to Avoid Losing Fishing Gear for Fishermen in Vietnam — <i>Quach Thi Khanh Ngoc, Alena Mychkova, Nguyen Thi Ngan</i>	S3-09. Recycling and circular economy approaches: innovations in marine debris and fishing gear management — <i>Nguyen Van Nguyen, Phan Dang Liem, Do Van Thanh, Pham Sy Tan</i>	S4-08. Coastal Plastic Waste Management: An Empirical Study of Community Engagement and Awareness in Mangunharjo — <i>Afnira Eka Ramadanti, Indah Susilowati</i>
16:05 — 16:30	S1-09. Plastic Debris Modulates the Partitioning of Emerging Contaminants in Marine Environmental Matrices — <i>Madeline Olivia, Ruei-Feng Shiu</i>	S3-13. Potential for Integrating Fishing Gear Recycling into Carbon Credit Markets in Vietnam — <i>Nguyen Thi Tham, Dinh Quynh Oanh4, Diep Thi Thu Thuy, Bui Thi Nha Trang, Kasumi Ito</i>	S3-11. Development of Sustainable Materials from End-of-Life Fishing Nets in Vietnam via Optimization of Recycled and Virgin Material Blending Ratios — <i>Nguyen Thi Nghiem Thuy, Nhu D. Huynh, Nguyen Thi Mai Ly, Thanh Xuan Do, Quyet D. Nguyen, Van Ta-Do, Welf Graf von Luxburg-Marten, Julia Tetzner, Max Juraschek, Max Ehleben</i>	S4-09. Plastic Waste Management in Karimunjawa Small Island Marine Protected Area: Fast Pyrolysis and Governance Integration — <i>Jubakti Anggoro, Arif Wahid Hidayat, Indah Susilowati</i>
16:30 — 16:55	S1-10. From Plastics to Plasticsphere: Multi-Omics Approaches Reveal Microbial Succession, Bioactive Cues, and Marine Organism Attraction — <i>Ying-Ning Ho, Chih-Hao Hsu, Po-Yuan Cheng, Yu-Ling Chen, Che-Chun Chen, Hsin-Yun Lu</i>	S1-12. Quantifying Riverine Plastic Flux: A Cost-Effective Bridge-Based Computer Vision System for Velocity and Accumulation Analysis — <i>Ngo Anh Hieu</i>	S1-11. Plastic Occurrence in Seagrass Meadows and What We Are Working on? — <i>Fika Afriyani, Ekkalak Rattanachot, Anchana Prathee</i>	S4-10. Enhancing Livelihoods in Nha Trang: The Waste Pickers' Role in Advancing Vietnam's Circular Economy Framework — <i>Alexander Kaufman</i>
16:55 — 17:20	—	—	—	S4-11. From Evidence to Action: Citizen Science Insights on Macroplastic Pollution for Decision-Making — <i>Bui Thi Thu Hien, Nguyen Duc The, Chu The Cuong</i>